INDIANA DEPARTMENT OF TRANSPORTATION



Driving Indiana's Economic Growth

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ANNUAL AVERAGE DAILY TRAFFIC (AADT) ESTIMATES

The Indiana Department of Transportation (INDOT), through its Traffic Monitoring Section, collects, summarizes and interprets information on the traffic traveling on the state's highway system. The data is used to assess transportation needs, system performance and to develop highway planning and programming recommendations. Traffic data also plays a very important role in route planning and in the design of highway projects.

To collect this information, the Department operates two traffic monitoring systems:

- 1. A Statewide Traffic Monitoring System consisting of 110 permanent continuous count stations that collect volume, speed and vehicle classification data 24 hours per day, 365 days per year. Fifty of these sites also utilize weigh-in motion (WIM) technology to collect continuous truck weight data. These sites are located throughout the state to monitor overall traffic trends. Information from these counters is used to determine ANNUAL TRAFFIC GROWTH trends as well as develop AXLE, WEEKDAY and SEASONAL adjustment factors used with the state's coverage count program to determine estimates of annual average daily traffic (AADT).
- 2. The statewide coverage count program utilizes portable pneumatic road-tubes traffic counters to collect 48 hour traffic counts on all State Highway System traffic sections and in rural and small urban areas and all highway performance monitoring sections (HPMS). The coverage count program operates on a three-year cycle, counting one-third of all sections annually, or approximately 10,000 of the 30,000 count sites. Where possible, portable classifiers are used so that approximately 65% of all coverage counts collected are classification counts. Additional counts are taken within this program to support specific state projects.

ADJUSTMENT FACTORS

Adjustment factors are necessary to convert an Average Daily Traffic (ADT) volume into an Annual Average Daily Traffic (AADT) estimate. Depending on the type of counter, the seasonal period of the setting, multiple factors may be necessary. These include axle, weekday and seasonal adjustment factors. For the 2/3's of the system not counted in the current year, the previously derived AADTs can be adjusted to the current year by utilizing the annual growth factors.

AXLE ADJUSTMENT FACTORS

There are times when portable classifiers cannot be set due to number of lanes or the lack of free-flow speeds. In these cases, portable traffic counters utilizing single pneumatic road-tubes stretched across a lane or roadway are used. These types of counters register two axle impacts as one vehicle so when vehicles with three or more axles cross the road-tube they will be counted as multiple vehicles. Whenever possible axle adjustment factors should be developed from vehicle classification counters set on the same route within the vicinity of the axle counter and during the same relative time period. If this is not possible then the use of these factors applied by functional classification and volume groups are deemed acceptable.

WEEKDAY ADJUSTMENT FACTORS

The purpose of these factors is to normalize the variability of traffic counts that exists between counts taken during the weekday, Friday, Saturdays and/or Sundays. In developing the weekday factors we found no significant statistical difference in the Monday through Thursday trends and for this reason combine these into a weekday factor. This is further justified as counts taken for INDOT will usually span a Monday through Wednesday or a Tuesday through Thursday count period.

SEASONAL (MONTHLY) ADJUSTMENT FACTORS

Seasonal or monthly adjustment factors convert average daily traffic (ADT) to annual average daily traffic (AADT). Observed traffic volumes at a location often vary from month to month with higher summer traffic volumes and lower winter traffic volumes. To compare traffic volume data collected in different months, seasonal adjustment factors must be applied. The ADT is multiplied by the seasonal factor to obtain the AADT value. The continuous counter sites are grouped into five major factor groups (FG). Currently there are two urban factor groups and three rural factor groups which are based on grouped functional classifications.

ANNUAL GROWTH FACTORS

As not all road sections are counted each year, there are times when previous years AADTs will need to be factored in order to estimate current year values. Annual Growth Factors are used in these situations and are developed by comparisons of previous years AADTs at INDOT's 110 continuous counting telemetry sites and averaged for the five factor groups (FG).

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2008-2010 AVERAGE AXLE ADJUSTMENT FACTORS *

| Urban - | ntersta | ite (11) | | | | | | | | | | |
|---------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 0.816 | 0.808 | 0.816 | 0.818 | 0.814 | 0.816 | 0.804 | 0.832 | 0.860 | 0.848 | 0.882 | 0.870 |
| 2009 | 0.786 | 0.818 | 0.826 | 0.826 | 0.830 | 0.826 | 0.838 | 0.810 | 0.796 | 0.810 | 0.818 | 0.822 |
| 2008 | 0.764 | 0.756 | 0.770 | 0.758 | 0.764 | 0.784 | 0.776 | 0.768 | 0.772 | 0.800 | 0.830 | 0.806 |
| | | | | | | | | | | | | |

| Urban - | Freewa | ys and | Expres | ssways | (12) P | rincipa | l Arteri | als (14 |) | | | |
|---------|--------|--------|--------|--------|--------|---------|----------|---------|-------|-------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 0.938 | 0.888 | 0.878 | 0.946 | 0.936 | 0.966 | 0.954 | 0.952 | 0.944 | 0.946 | 0.948 | 0.942 |
| 2009 | 0.946 | 0.946 | 0.952 | 0.952 | 0.948 | 0.944 | 0.938 | 0.932 | 0.930 | 0.944 | 0.944 | 0.942 |
| 2008 | 0.932 | 0.930 | 0.932 | 0.924 | 0.920 | 0.918 | 0.918 | 0.928 | 0.926 | 0.932 | 0.938 | 0.950 |

| Urban - | Minor A | Arterial | s (16), (| Collect | ors (17 |), Loca | Is (19) | | | | | |
|---------|---------|----------|-----------|---------|---------|---------|---------|-------|-------|-------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 0.936 | 0.936 | 0.934 | 0.872 | 0.900 | 0.910 | 0.912 | 0.930 | 0.940 | 0.942 | 0.944 | 0.936 |
| 2009 | 0.948 | 0.938 | 0.952 | 0.962 | 0.958 | 0.946 | 0.944 | 0.944 | 0.954 | 0.952 | 0.952 | 0.960 |
| 2008 | 0.914 | 0.890 | 0.922 | 0.892 | 0.828 | 0.826 | 0.820 | 0.802 | 0.808 | 0.828 | 0.878 | 0.944 |

| Rural - II | nterstat | te (01) | | | | | | | | | | |
|------------|----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 0.676 | 0.678 | 0.700 | 0.708 | 0.712 | 0.712 | 0.718 | 0.708 | 0.710 | 0.702 | 0.722 | 0.694 |
| 2009 | 0.688 | 0.732 | 0.744 | 0.756 | 0.754 | 0.770 | 0.772 | 0.740 | 0.736 | 0.720 | 0.718 | 0.716 |
| 2008 | 0.700 | 0.706 | 0.722 | 0.706 | 0.724 | 0.730 | 0.752 | 0.742 | 0.724 | 0.718 | 0.732 | 0.742 |

| Rural - F | Principa | l Arter | ials (02 | .), Mino | r Arter | ials (06 | 5) | | | | | |
|-----------|----------|---------|----------|----------|---------|----------|-------|-------|-------|-------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 0.830 | 0.826 | 0.828 | 0.826 | 0.856 | 0.864 | 0.862 | 0.858 | 0.872 | 0.874 | 0.876 | 0.884 |
| 2009 | 0.846 | 0.852 | 0.840 | 0.846 | 0.868 | 0.874 | 0.864 | 0.864 | 0.868 | 0.866 | 0.862 | 0.858 |
| 2008 | 0.824 | 0.860 | 0.854 | 0.832 | 0.842 | 0.858 | 0.846 | 0.842 | 0.834 | 0.836 | 0.848 | 0.854 |

| F | Rural - N | lajor C | ollecto | rs (07), | Minor | Collect | tors (08 | B), Loca | als (09) | | | | |
|---|-----------|---------|---------|----------|-------|---------|----------|----------|----------|-------|-------|-------|-------|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| | 2010 | 0.890 | 0.858 | 0.852 | 0.884 | 0.866 | 0.876 | 0.880 | 0.906 | 0.918 | 0.924 | 0.928 | 0.934 |
| | 2009 | 0.834 | 0.848 | 0.874 | 0.878 | 0.882 | 0.870 | 0.870 | 0.878 | 0.900 | 0.866 | 0.896 | 0.878 |
| | 2008 | 0.836 | 0.798 | 0.800 | 0.782 | 0.842 | 0.862 | 0.874 | 0.876 | 0.864 | 0.894 | 0.894 | 0.878 |

^{*}Axle Adjustment Factors are applied to counts taken with portable counters utilizing a single pneumatic road tube. This type of counter registers two axle impacts as one vehicle. The axle factor is used to account for vehicle types having more than two axles, typically trucks with three or more axles.

2010 WEEKDAY FACTORS*

| Urban - Inte | rstate (11) | , Freew | vays ar | nd Expi | resswa | ys (12) | | | | | | | |
|--------------|-------------|---------|---------|---------|--------|---------|-------|-------|-------|-------|-------|-------|-------|
| | Average | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Weekdays | 0.955 | 0.926 | 0.962 | 0.962 | 0.957 | 0.968 | 0.962 | 0.967 | 0.967 | 0.965 | 0.964 | 0.949 | 0.915 |
| Friday | 0.873 | 0.946 | 0.850 | 0.849 | 0.861 | 0.846 | 0.870 | 0.856 | 0.868 | 0.834 | 0.851 | 0.905 | 0.936 |
| Saturday | 1.156 | 1.161 | 1.146 | 1.125 | 1.177 | 1.137 | 1.149 | 1.138 | 1.143 | 1.160 | 1.147 | 1.156 | 1.228 |
| Sunday | 1.312 | 1.365 | 1.344 | 1.351 | 1.295 | 1.289 | 1.265 | 1.283 | 1.245 | 1.327 | 1.299 | 1.282 | 1.398 |

| Urban - Prin | cipal Arte | rials (1 | 4), Min | or Arte | rials (1 | 6), Col | lectors | s (17), L | ocals | (19) | | | |
|--|------------|----------|---------|---------|----------|---------|---------|-----------|-------|-------|-------|-------|-------|
| Average Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Weekdays 0.953 0.922 0.967 0.951 0.945 0.962 0.952 0.959 0.963 0.976 0.963 0.954 0.922 | | | | | | | | | | | | | |
| Weekdays | 0.953 | 0.922 | 0.967 | 0.951 | 0.945 | 0.962 | 0.952 | 0.959 | 0.963 | 0.976 | 0.963 | 0.954 | 0.922 |
| Friday | 0.878 | 0.955 | 0.847 | 0.872 | 0.877 | 0.865 | 0.877 | 0.861 | 0.872 | 0.855 | 0.864 | 0.884 | 0.903 |
| Saturday | 1.098 | 1.115 | 1.083 | 1.090 | 1.118 | 1.079 | 1.098 | 1.101 | 1.077 | 1.056 | 1.071 | 1.093 | 1.190 |
| Sunday | 1.378 | 1.440 | 1.384 | 1.412 | 1.408 | 1.358 | 1.368 | 1.363 | 1.332 | 1.322 | 1.356 | 1.355 | 1.443 |

| Rural - Inters | state (01) | | | | | | | | | | | | |
|----------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Average | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Weekdays | 1.030 | 0.987 | 1.027 | 1.043 | 1.033 | 1.042 | 1.045 | 1.041 | 1.059 | 1.045 | 1.050 | 1.027 | 0.958 |
| Friday | 0.850 | 0.923 | 0.815 | 0.813 | 0.827 | 0.812 | 0.848 | 0.831 | 0.856 | 0.813 | 0.809 | 0.915 | 0.937 |
| Saturday | 1.071 | 1.088 | 1.074 | 1.041 | 1.109 | 1.062 | 1.059 | 1.032 | 1.039 | 1.040 | 1.069 | 1.066 | 1.169 |
| Sunday | 1.031 | 1.081 | 1.104 | 1.053 | 1.013 | 1.035 | 0.967 | 1.034 | 0.939 | 1.039 | 1.005 | 0.962 | 1.145 |

| Rural - Princ | ipal Arter | ials (02 | 2), Mino | or Arter | ials (00 | 6) | | | | | | | |
|---------------|------------|----------|----------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Average | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Weekdays | 0.971 | 0.927 | 0.972 | 0.964 | 0.961 | 0.989 | 0.984 | 0.992 | 0.992 | 1.002 | 0.983 | 0.960 | 0.932 |
| Friday | 0.864 | 0.943 | 0.827 | 0.849 | 0.861 | 0.847 | 0.869 | 0.848 | 0.857 | 0.836 | 0.841 | 0.887 | 0.906 |
| Saturday | 1.083 | 1.120 | 1.106 | 1.079 | 1.118 | 1.053 | 1.064 | 1.063 | 1.054 | 1.031 | 1.066 | 1.096 | 1.151 |
| Sunday | 1.300 | 1.407 | 1.359 | 1.379 | 1.316 | 1.252 | 1.220 | 1.221 | 1.213 | 1.238 | 1.285 | 1.304 | 1.404 |

| Rural - Majo | r Collecto | rs (07), | Minor | Collec | tors (0 | 8), Loc | als (09 |) | | | | | |
|--------------|------------|----------|-------|--------|---------|---------|---------|-------|-------|-------|-------|-------|-------|
| | Average | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Weekdays | 0.965 | 0.923 | 0.961 | 0.962 | 0.958 | 0.988 | 0.977 | 0.977 | 0.980 | 0.987 | 0.975 | 0.952 | 0.939 |
| Friday | 0.889 | 0.957 | 0.847 | 0.874 | 0.891 | 0.878 | 0.894 | 0.889 | 0.890 | 0.877 | 0.872 | 0.907 | 0.897 |
| Saturday | 1.068 | 1.130 | 1.118 | 1.052 | 1.096 | 1.024 | 1.035 | 1.051 | 1.035 | 1.024 | 1.040 | 1.085 | 1.120 |
| Sunday | 1.306 | 1.395 | 1.368 | 1.407 | 1.288 | 1.230 | 1.245 | 1.242 | 1.236 | 1.241 | 1.290 | 1.322 | 1.402 |

^{*}Weekday factors are used to normalize the variability of traffic counts that exists between counts taken on the Weekdays, Friday, Saturday and/or Sunday.

Source: Indiana Department of Transportation
Division of Long Range Planning, Traffic Modeling and Counting

SEASONAL ADJUSTMENT FACTORS BY FUNCTIONAL CLASSIFICATION 2006-2010*

| Urban - Inte | rstate (11 | 1), Freewa | ays and E | Expressw | ays (12) | | | | | | | |
|---------------|--------------|------------|------------|------------|------------|------------|------------|--------|-------|----------|-------|-------|
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 1.161 | 1.128 | 1.012 | 0.975 | 0.971 | 0.940 | 0.944 | 0.934 | 0.972 | 0.961 | 0.993 | 1.077 |
| 2009 | 1.193 | 1.075 | 1.013 | 1.003 | 0.981 | 0.945 | 0.943 | 0.938 | 0.966 | 0.973 | 0.986 | 1.047 |
| 2008 | 1.092 | 1.071 | 1.006 | 0.980 | 0.971 | 0.964 | 0.960 | 0.934 | 1.001 | 0.988 | 1.036 | 1.059 |
| 2007 | 1.088 | 1.114 | 1.008 | 0.985 | 0.972 | 0.946 | 0.944 | 0.939 | 0.984 | 0.977 | 1.014 | 1.088 |
| 2006 | 1.111 | 1.069 | 1.032 | 0.999 | 0.971 | 0.944 | 0.963 | 0.959 | 0.978 | 0.983 | 1.014 | 1.048 |
| 5 YR AVG | 1.129 | 1.091 | 1.014 | 0.988 | 0.973 | 0.948 | 0.951 | 0.941 | 0.980 | 0.976 | 1.009 | 1.064 |
| Urban - Prin | cipal Art | erials (14 |), Minor A | Arterials | (16), Coll | ectors (17 | 7), Locals | s (19) | | | | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 1.142 | 1.087 | 1.027 | 0.971 | 0.957 | 0.952 | 0.963 | 0.939 | 0.976 | 0.985 | 1.034 | 1.085 |
| 2009 | 1.137 | 1.014 | 1.000 | 0.978 | 0.953 | 0.954 | 0.971 | 0.961 | 1.009 | 1.010 | 1.016 | 1.044 |
| 2008 | 1.056 | 1.023 | 1.008 | 0.957 | 1.018 | 1.020 | 1.039 | 0.972 | 0.959 | 0.955 | 1.007 | 1.062 |
| 2007 | 1.063 | 1.074 | 0.970 | 0.967 | 0.952 | 0.968 | 0.993 | 0.967 | 0.991 | 0.987 | 1.037 | 1.088 |
| 2006 | 1.067 | 1.019 | 1.023 | 0.985 | 0.975 | 0.952 | 0.984 | 0.966 | 0.983 | 0.971 | 1.019 | 1.027 |
| 5 YR AVG | 1.093 | 1.043 | 1.005 | 0.971 | 0.971 | 0.969 | 0.990 | 0.961 | 0.984 | 0.982 | 1.023 | 1.061 |
| | | | | | | | " | | | <u>"</u> | " | |
| Rural - Inter | state (01 |) | | | | | | | | | | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 1.288 | 1.225 | 1.053 | 0.997 | 0.953 | 0.887 | 0.858 | 0.881 | 0.957 | 0.962 | 0.974 | 1.129 |
| 2009 | 1.254 | 1.132 | 1.037 | 1.007 | 0.968 | 0.900 | 0.870 | 0.904 | 0.968 | 0.987 | 0.997 | 1.097 |
| 2008 | 1.179 | 1.157 | 1.025 | 1.015 | 0.960 | 0.910 | 0.883 | 0.889 | 0.999 | 0.982 | 1.005 | 1.120 |
| 2007 | 1.164 | 1.183 | 1.048 | 1.004 | 0.961 | 0.908 | 0.897 | 0.898 | 0.971 | 0.957 | 0.978 | 1.100 |
| 2006 | 1.177 | 1.131 | 1.048 | 1.012 | 0.973 | 0.909 | 0.906 | 0.912 | 0.985 | 0.975 | 0.997 | 1.078 |
| 5 YR AVG | 1.212 | 1.166 | 1.042 | 1.007 | 0.963 | 0.903 | 0.883 | 0.897 | 0.976 | 0.972 | 0.990 | 1.105 |
| Dural Drine | singl Auto | riala (00) | Minor | rtoriolo (| 00) | | | | | | | |
| Rural - Princ | | | | - | | | | | | 9 | | |
| 2212 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 1.180 | 1.142 | 1.031 | 0.977 | 0.960 | 0.926 | 0.938 | 0.925 | 0.934 | 0.959 | 1.008 | 1.106 |
| 2009 | 1.205 | 1.081 | 1.025 | 1.002 | 0.961 | 0.936 | 0.940 | 0.939 | 0.948 | 0.981 | 1.002 | 1.072 |
| 2008 | 1.160 | 1.084 | 1.029 | 0.966 | 0.950 | 0.938 | 0.932 | 0.941 | 0.996 | 0.989 | 1.041 | 1.142 |
| 2007 | 1.121 | 1.137 | 1.017 | 0.993 | 0.960 | 0.925 | 0.946 | 0.941 | 0.961 | 0.964 | 1.028 | 1.092 |
| 2006 | 1.087 | 1.055 | 1.028 | 0.991 | 0.965 | 0.936 | 0.963 | 0.971 | 0.977 | 0.994 | 1.032 | 1.062 |
| 5 YR AVG | 1.151 | 1.100 | 1.026 | 0.986 | 0.959 | 0.932 | 0.944 | 0.943 | 0.963 | 0.977 | 1.022 | 1.095 |
| Rural - Majo | r Collect | ors (07), | Minor Co | llectors (| 08), Loca | ıls (09) | | | | | | |
| | | | | | | | le el | Λ | Cor | Ost | Nex | Des |
| 2040 | Jan 4 402 | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| 2010 | 1.193 | 1.147 | 1.037 | 0.959 | 0.947 | 0.918 | 0.939 | 0.934 | 0.932 | 0.953 | 1.027 | 1.145 |
| 2009 | 1.207 | 1.099 | 1.039 | 0.994 | 0.936 | 0.910 | 0.936 | 0.951 | 0.962 | 0.980 | 1.017 | 1.074 |
| 2008 | 1.083 | 1.093 | 1.040 | 0.977 | 0.956 | 0.923 | 0.957 | 0.957 | 0.979 | 0.976 | 1.038 | 1.133 |
| 2007 | 1.108 | 1.119 | 1.013 | 0.977 | 0.927 | 0.927 | 0.962 | 0.948 | 0.957 | 0.973 | 1.043 | 1.109 |
| 2006 | 1.095 | 1.060 | 1.037 | 0.973 | 0.946 | 0.925 | 0.958 | 0.960 | 0.972 | 0.997 | 1.029 | 1.058 |
| 5 YR AVG | 1.137 | 1.104 | 1.033 | 0.976 | 0.942 | 0.921 | 0.950 | 0.950 | 0.960 | 0.976 | 1.031 | 1.104 |

^{*}The seasonal adjustment factors are used to expand average 24-hour volumes to estimated Annual Average Daily Traffic (AADT).

Source: Indiana Department of Transportation Division of Long Range Planning, Traffic Modeling and Counting

ANNUAL GROWTH FACTORS BY FUNCTIONAL CLASSIFICATION 2001 - 2010*

YEAR FROM

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| YEAR TO | | | | | | | | | | | |
| Urban - Interstate (11), Freeways and Expressways (12) | | | | | | | | | | | |
| 2001 | - | 0.966 | 0.937 | 0.926 | 0.903 | 0.887 | 0.853 | 0.872 | 0.855 | 0.852 | |
| 2002 | 1.035 | - | 0.970 | 0.958 | 0.934 | 0.919 | 0.883 | 0.902 | 0.885 | 0.882 | |
| 2003 | 1.067 | 1.031 | - | 0.988 | 0.963 | 0.947 | 0.911 | 0.930 | 0.913 | 0.909 | |
| 2004 | 1.080 | 1.043 | 1.012 | - | 0.975 | 0.958 | 0.922 | 0.941 | 0.924 | 0.920 | |
| 2005 | 1.108 | 1.070 | 1.038 | 1.026 | - | 0.983 | 0.945 | 0.966 | 0.948 | 0.944 | |
| 2006 | 1.127 | 1.089 | 1.056 | 1.043 | 1.017 | - | 0.962 | 0.982 | 0.964 | 0.960 | |
| 2007 | 1.172 | 1.132 | 1.098 | 1.085 | 1.058 | 1.040 | | 1.021 | 1.002 | 0.998 | |
| 2008 | 1.147 | 1.108 | 1.075 | 1.062 | 1.035 | 1.018 | 0.979 | - | 0.981 | 0.977 | |
| 2009 | 1.169 | 1.130 | 1.096 | 1.083 | 1.055 | 1.038 | 0.998 | 1.019 | - | 0.996 | |
| 2010 | 1.174 | 1.134 | 1.100 | 1.087 | 1.059 | 1.042 | 1.002 | 1.023 | 1.004 | - | |
| | | | | | | | | | | | |

| Urban - Principal A | Irban - Principal Arterials (14), Minor Arterials (16), Collectors (17), Local (19) | | | | | | | | | | |
|---------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 2001 | - | 0.943 | 0.956 | 0.967 | 0.966 | 0.960 | 0.972 | 1.003 | 1.008 | 1.001 | |
| 2002 | 1.060 | - | 1.013 | 1.025 | 1.024 | 1.017 | 1.031 | 1.064 | 1.068 | 1.061 | |
| 2003 | 1.046 | 0.987 | - | 1.012 | 1.011 | 1.004 | 1.017 | 1.050 | 1.054 | 1.047 | |
| 2004 | 1.034 | 0.975 | 0.988 | - | 0.999 | 0.992 | 1.005 | 1.037 | 1.041 | 1.034 | |
| 2005 | 1.035 | 0.976 | 0.989 | 1.001 | • | 0.993 | 1.006 | 1.038 | 1.042 | 1.035 | |
| 2006 | 1.042 | 0.983 | 0.996 | 1.008 | 1.007 | - | 1.013 | 1.046 | 1.050 | 1.042 | |
| 2007 | 1.028 | 0.970 | 0.983 | 0.995 | 0.994 | 0.987 | - | 1.032 | 1.036 | 1.029 | |
| 2008 | 0.997 | 0.940 | 0.952 | 0.964 | 0.963 | 0.956 | 0.969 | • | 1.004 | 0.997 | |
| 2009 | 0.993 | 0.936 | 0.949 | 0.960 | 0.959 | 0.953 | 0.965 | 0.996 | - | 0.993 | |
| 2010 | 0.999 | 0.943 | 0.955 | 0.967 | 0.966 | 0.959 | 0.972 | 1.003 | 1.007 | - | |

| Rural - Interstate | (01) | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ` ' | | | | | | | | | |
| 2001 | - | 0.953 | 0.949 | 0.936 | 0.932 | 0.924 | 0.917 | 0.933 | 0.941 | 0.945 |
| 2002 | 1.049 | - | 0.995 | 0.982 | 0.977 | 0.970 | 0.962 | 0.979 | 0.987 | 0.996 |
| 2003 | 1.054 | 1.005 | - | 0.987 | 0.982 | 0.974 | 0.967 | 0.983 | 0.992 | 0.996 |
| 2004 | 1.068 | 1.018 | 1.013 | - | 0.995 | 0.987 | 0.979 | 0.996 | 1.005 | 1.009 |
| 2005 | 1.073 | 1.023 | 1.018 | 1.005 | - | 0.992 | 0.984 | 1.001 | 1.010 | 1.014 |
| 2006 | 1.082 | 1.031 | 1.026 | 1.013 | 1.008 | - | 0.992 | 1.009 | 1.018 | 1.022 |
| 2007 | 1.091 | 1.040 | 1.034 | 1.021 | 1.016 | 1.008 | - | 1.017 | 1.027 | 1.031 |
| 2008 | 1.072 | 1.022 | 1.017 | 1.004 | 0.999 | 0.991 | 0.983 | - | 1.009 | 1.013 |
| 2009 | 1.062 | 1.013 | 1.008 | 0.995 | 0.990 | 0.982 | 0.974 | 0.991 | - | 1.004 |
| 2010 | 1.058 | 1.009 | 1.004 | 0.991 | 0.986 | 0.978 | 0.970 | 0.987 | 0.996 | - |

| Rural - Principal A | rterials (02) | , Minor Arte | rials (06) | | | | | | | |
|---------------------|---------------|--------------|------------|-------|-------|-------|-------|-------|-------|-------|
| 2001 | - | 0.987 | 1.009 | 0.982 | 0.983 | 0.974 | 0.974 | 1.024 | 1.029 | 1.033 |
| 2002 | 1.013 | - | 1.022 | 0.995 | 0.996 | 0.987 | 0.987 | 1.038 | 1.043 | 1.046 |
| 2003 | 0.991 | 0.978 | - | 0.973 | 0.974 | 0.965 | 0.965 | 1.015 | 1.020 | 1.023 |
| 2004 | 1.018 | 1.005 | 1.028 | - | 1.001 | 0.992 | 0.992 | 1.043 | 1.048 | 1.052 |
| 2005 | 1.017 | 1.004 | 1.027 | 0.999 | | 0.991 | 0.991 | 1.042 | 1.047 | 1.051 |
| 2006 | 1.027 | 1.013 | 1.036 | 1.008 | 1.009 | - | 1.000 | 1.052 | 1.057 | 1.060 |
| 2007 | 1.027 | 1.013 | 1.036 | 1.008 | 1.009 | 1.000 | - | 1.052 | 1.057 | 1.060 |
| 2008 | 0.976 | 0.964 | 0.985 | 0.959 | 0.960 | 0.951 | 0.951 | - | 1.005 | 1.008 |
| 2009 | 0.971 | 0.959 | 0.981 | 0.954 | 0.955 | 0.946 | 0.946 | 0.995 | - | 1.003 |
| 2010 | 0.968 | 0.956 | 0.978 | 0.951 | 0.952 | 0.943 | 0.943 | 0.992 | 0.997 | |

| Rural - Major Col | lectors (07), | Minor Colle | ctors (08), L | ocals (09) | | | | | | |
|-------------------|---------------|-------------|---------------|------------|-------|-------|-------|-------|-------|-------|
| 2001 | - | 0.978 | 0.976 | 0.972 | 0.984 | 0.989 | 0.983 | 1.051 | 1.042 | 1.047 |
| 2002 | 1.022 | - | 0.997 | 0.993 | 1.006 | 1.011 | 1.004 | 1.074 | 1.065 | 1.070 |
| 2003 | 1.025 | 1.003 | - | 0.996 | 1.009 | 1.014 | 1.007 | 1.077 | 1.069 | 1.073 |
| 2004 | 1.029 | 1.007 | 1.004 | - | 1.013 | 1.018 | 1.011 | 1.081 | 1.073 | 1.077 |
| 2005 | 1.016 | 0.994 | 0.991 | 0.987 | - | 1.005 | 0.998 | 1.067 | 1.059 | 1.063 |
| 2006 | 1.011 | 0.989 | 0.986 | 0.982 | 0.995 | - | 0.993 | 1.062 | 1.054 | 1.058 |
| 2007 | 1.018 | 0.996 | 0.993 | 0.989 | 1.002 | 1.007 | - | 1.070 | 1.061 | 1.065 |
| 2008 | 0.952 | 0.931 | 0.928 | 0.925 | 0.937 | 0.942 | 0.935 | - | 0.992 | 0.996 |
| 2009 | 0.959 | 0.939 | 0.936 | 0.932 | 0.944 | 0.949 | 0.942 | 1.008 | - | 1.004 |
| 2010 | 0.955 | 0.935 | 0.932 | 0.928 | 0.941 | 0.945 | 0.939 | 1.004 | 0.996 | - |

*Factors in this table are used to adjust previous year AADTs to a more current year for similarly classed roads (e.g. to adjust a 2006 urban interstate AADT to a 2010 equivalent, you would multiply the 2006 AADT by 1.042).